

Title (en)

Two-phase compositions for absorbable surgical devices.

Title (de)

Zwei-Phasen-Zusammensetzungen für absorbierbare chirurgische Ausrüstungen.

Title (fr)

Compositions à deux phases pour accessoires chirurgicaux absorbables.

Publication

**EP 0342278 A1 19891123 (EN)**

Application

**EP 88304423 A 19880516**

Priority

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- US 56243090 A 19900802
- US 58668684 A 19840306
- US 86030286 A 19860717

Abstract (en)

A process for making an absorbable, annealed surgical device made from a multi-phase, polymeric composition derived from lactide and glycolide is disclosed. The device has a high distortion temperature, good resistance to hot wet creep, but yet loses tensile strength in vivo quickly. The composition per se is injection-moldable, can be annealed, and is not brittle. The process of the invention comprises polymerizing a first monomer mixture containing a predominant amount of lactide, followed by polymerization of a second monomer mixture in the presence of the first monomer mixture. The polymer is then formed and the surgical device annealed. The first monomer mixture contains a predominant amount of lactide and the second monomer mixture contains glycolide.

IPC 1-7

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C-Set (source: EP US)

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2. **A61L 31/129** + **C08L 67/04**

Citation (search report)

- [XD] FR 2391734 A1 19781222 - AMERICAN CYANAMID CO [US]
- [Y] EP 0107591 A2 19840502 - UNITED STATES SURGICAL CORP [US]
- [XD] DE 2827289 A1 19790111 - ETHICON INC
- [A] EP 0199074 A1 19861029 - AMERICAN CYANAMID CO [US]

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